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PTO/SB/05 (2/98)

Approved for use through 09/30/2000 OMB 0651-0032

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# UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. 4015-815

First Inventor or Application Identifier Paul W. Dent

Title **RECURSIVE CRYPTOACCELERATOR AND RECURSIVE VHDL DESIGN OF LOGIC CIRCUITS**

Express Mail Label No. EL659734365US

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☒ \*Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- ☒ Specification [Total Pages 57]  
(preferred arrangement set forth below)
  - Descriptive title to the invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
- ☒ Oath or Declaration [Total Pages 5]
  - ☒ Newly executed (original or copy)
  - ☐ Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
  - ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
- ☐ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Copy
  - ☐ Paper Copy (identical to computer copy)
  - ☐ Statement verifying identity of above copies


## ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. § 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ \*Small Entity Statement filed in prior application, Status still proper and desired
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☒ Other: Express Mail Certification

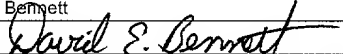
**\*NOTE FOR ITEMS 1 & 14 IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).**

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary statement:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ / \_\_\_\_\_  
Prior application information: Examiner: Group/Art Unit:

## 18. CORRESPONDENCE ADDRESS

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(Insert Customer No. or Attach bar code label here.)

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ADDRESS			
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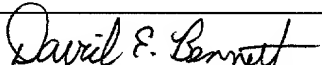
Name (Print/Type)	David E. Bennett	Registration No. (Attorney/Agent)	32,194
Signature		Date	March 6, 2001

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<b>FEE TRANSMITTAL</b>		<i>Complete if Known</i>	
Patent fees are subject to annual revision on October 1 These are the fees effective December 29, 1999. Small Entity payments must be supported by a small entity statement. otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.		Application Number: TBA Filing Date: TBA First Named Inventor: Paul W. Dent Examiner Name: TBA Group Art Unit: TBA Attorney Docket No.: 4015.815	
<b>TOTAL AMOUNT OF PAYMENT</b>	(\$) <b>1466.00</b>		

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)																																																																																																																																																																																										
1. <input checked="" type="checkbox"/> The Commission is hereby authorized to charge indicated fees and credit any over payments to  Deposit Account Number: 18-1167  Deposit Account Name: Coats & Bennett, P L L C.  <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 CFR §1 18 at the Mailing of the Notice of Allowance  2. <input checked="" type="checkbox"/> Payment Enclosed <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other	<b>3. ADDITIONAL FEES</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examination action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - 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SUBMITTED BY				Complete (if applicable)	
Typed or Printed Name	David E. Bennett			Reg. Number	32,194
Signature		Date	March 6, 2001	Deposit Account User ID	18-1167

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Dent, et al )  
Serial No. \_\_\_\_\_ )  
Filed: \_\_\_\_\_ )  
For: RECURSIVE CRYPTOACCELERATOR )  
AND RECURSIVE VHDL DESIGN )  
OF LOGIC CIRCUITS )  
Attorney's Docket No. P-4015.815 )

**Express Mail Certification**  
**Label No.EL659734365US**



Raleigh, North Carolina

March 6, 2001

Commissioner for Patents  
**BOX PATENT APPLICATION**  
Washington, D.C. 20231

Sir:

**EXPRESS MAIL CERTIFICATE LABEL NO. EL659734365US**

**DATE MAILED: March 6, 2001**

I hereby certify that the enclosed Utility Patent Application Transmittal, Fee Transmittal Form (2 copies), specification and claims, drawings (1 set of 5 sheets), Declaration and Power Of Attorney, Assignment and Recordation Sheet, and our Check #3824 in the amount of \$1466, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37C.F.R. §1.10 on the date indicated above and is addressed to Commissioner for Patents, BOX PATENT APPLICATION, Washington, D.C. 20231.

Respectfully submitted,

**COATS & BENNETT, P.L.L.C.**

By:

David E. Bennett  
Registration No. 32,194

Telephone: (919) 854-1844